

Claims

1. A pen integrated with a card reader is mainly composed of a pen tube and a detachable tube. Inside the detachable tube, there is a connector; through a locking ring, the connector is firmly positioned and attached to inside of the detachable tube; said the pen tube can be separated from the detachable tube for independent use; said the connector has a terminal plug exposable at one end of the detachable tube and a slot inside the detachable tube; there is a slit on the outer surface of the detachable tube to match the slot inside, so an IC card can be inserted through the slit into the slot; at the same time, the exposed terminal plug can connect to a general computer or other main console; thus, the IC card can communicate with a general computer or other main console, and further retrieve or store data.

2. As described in claim 1 for a pen integrated with a card reader, the peripheral of the locking ring can have a sleeve structure or screw thread to be connected with the pen tube to form an integrated unit.

3. As described in claim 1 for a pen integrated with a card reader, on the outer surface of the detachable tube, there is a turnable clip that is positioned against a cap on the top of the detachable tube, so the clip is secured and able to seal the slot.

4. As described in claim 1 for a pen integrated with a card reader, the terminal plug is a standard USB plug or a 1394 firewire plug.

5. As described in claim 1 for a pen integrated with a card reader, the card to be inserted can be any kind of memory cards, like SIM card, SD

card, MMC card, Memory Stick, Compact Flash card, XD card,
PCMCIA card and Smart Media...etc

6. As described in claim 1 for a pen integrated with a card reader, the
card can be a wireless data transmission device to be placed into the slot,
5 while the exposed terminal plug connects to a computer or a main
console, to form an interface for wireless communication.